

TRUCKEE RIVER BASIN, LAKE TAHOE  
10336710 MARLETTE LAKE NEAR CARSON CITY, NV

LOCATION (REVISED).--Lat 39°10'22.71", long 119°54'19.84" referenced to North American Datum of 1983, in SW ¼ SE ¼ sec. 12, T.15 N., R.18 E., Washoe County, Hydrologic Unit 16050101, in Toiyabe National Forest, on west shore, about 1,000 ft east from left side of dam on Marlette Creek, and 7.5 mi west of Carson City.

DRAINAGE AREA.--2.8 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1973 to current year.

REVISED RECORDS.--WDR NV-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929 (spillway elevation furnished in written communication, 1971).

REMARKS.--Lake is formed by earthfill dam across the outlet of a small natural lake (at one time called Goodwin Lake) on Marlette Creek, built in 1873 to provide water for fluming lumber from Spooner Summit to Carson City. The dam was built higher in 1876 and used to divert water by flume and siphon to Virginia City, until the flume was abandoned prior to 1963. The dam was raised to its present elevation in 1959. Present capacity, 11,780 acre-ft at spillway; elevation, 7,838.0 ft. Figures given herein represent total contents. Stored water is used for spawning cutthroat trout and in dry years is pumped over the mountain to the Hobart system for municipal and domestic use outside the basin in Virginia City and Carson City. Lake freezes over in winter. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded contents, 12,320 acre-ft, February 19, 1986, elevation, 7,839.23 ft.; minimum, 10,870 acre-ft, November 7, 2002, elevation, 7,835.57 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 12,010 acre-ft, May 11, gage height, 38.52 ft; minimum contents, 10,960 acre-ft, September 29, 30, gage height, 35.81 ft.

Capacity table (elevation, in feet, contents, in acre-feet)			
7,835	10,650	7,838	11,790
7,836	11,030	7,839	12,220
7,837	11,410	7,840	12,650

RESERVOIR STORAGE, ACRE FEET  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,300	11,160	11,200	11,570	11,680	11,950	11,940	11,960	11,920	11,790	11,520	11,200
2	11,290	11,160	11,210	11,590	11,720	11,960	11,940	11,970	11,920	11,790	11,500	11,190
3	11,290	11,160	11,210	11,600	11,720	11,950	11,940	11,970	11,910	11,780	11,490	11,170
4	11,280	11,160	11,210	11,600	11,720	11,950	11,940	11,980	11,900	11,770	11,480	11,160
5	11,280	11,160	11,190	11,600	11,730	11,940	11,950	11,980	11,900	11,770	11,470	11,160
6	11,270	11,160	11,260	11,600	11,740	11,940	11,950	11,980	11,880	11,760	11,460	11,150
7	11,260	11,160	11,270	11,610	11,740	11,940	11,950	11,980	11,880	11,750	11,440	11,140
8	11,250	11,170	11,270	11,610	11,740	11,940	11,950	11,980	11,870	11,740	11,430	11,130
9	11,240	11,190	11,270	11,610	11,740	11,930	11,950	11,980	11,870	11,730	11,430	11,120
10	11,240	11,190	11,300	11,620	11,750	11,930	11,950	11,990	11,870	11,720	11,420	11,110
11	11,230	11,190	11,310	11,620	11,750	11,930	11,950	12,000	11,860	11,710	11,410	11,110
12	11,220	11,190	11,320	11,620	11,750	11,920	11,960	12,000	11,860	11,710	11,400	11,090
13	11,210	11,190	11,320	11,620	11,750	11,920	11,950	12,000	11,850	11,700	11,390	11,080
14	11,200	11,190	11,360	11,620	11,750	11,920	11,950	11,990	11,850	11,680	11,380	11,070
15	11,200	11,200	11,360	11,620	11,760	11,920	11,940	11,990	11,850	11,670	11,380	11,070
16	11,190	11,210	11,360	11,630	11,770	11,920	11,940	11,990	11,850	11,660	11,370	11,060
17	11,190	11,200	11,360	11,630	11,790	11,920	11,950	11,980	11,840	11,660	11,360	11,050
18	11,190	11,200	11,360	11,630	11,810	11,920	11,960	11,980	11,840	11,650	11,350	11,040
19	11,190	11,190	11,360	11,630	11,810	11,920	11,960	11,980	11,830	11,640	11,340	11,030
20	11,190	11,190	11,380	11,650	11,810	11,920	11,950	11,980	11,830	11,630	11,330	11,020
21	11,190	11,200	11,380	11,650	11,820	11,930	11,960	11,980	11,830	11,630	11,320	11,010
22	11,180	11,190	11,380	11,650	11,830	11,930	11,950	11,970	11,830	11,620	11,310	11,010
23	11,180	11,200	11,380	11,650	11,830	11,930	11,950	11,970	11,820	11,610	11,300	11,000
24	11,170	11,190	11,450	11,660	11,830	11,930	11,950	11,970	11,820	11,600	11,280	11,000
25	11,170	11,200	11,480	11,660	11,900	11,950	11,950	11,970	11,810	11,590	11,270	10,990
26	11,160	11,190	11,480	11,660	11,940	11,950	11,950	11,960	11,810	11,580	11,260	10,980
27	11,160	11,190	11,490	11,670	11,940	11,940	11,950	11,950	11,800	11,570	11,250	10,970
28	11,160	11,190	11,500	11,670	11,940	11,940	11,950	11,960	11,800	11,570	11,240	10,970
29	11,150	11,190	11,540	11,680	11,930	11,940	11,950	11,940	11,800	11,550	11,230	10,970
30	11,150	11,200	11,540	11,680	---	11,940	11,960	11,940	11,790	11,540	11,220	10,960
31	11,160	---	11,540	11,680	---	11,940	---	11,930	---	11,530	11,210	---
MAX	11,300	11,210	11,540	11,680	11,940	11,960	11,960	12,000	11,920	11,790	11,520	11,200
MIN	11,150	11,160	11,190	11,570	11,680	11,920	11,940	11,930	11,790	11,530	11,210	10,960
#	36.34	36.44	37.35	37.71	38.34	38.37	38.40	38.34	38.01	37.31	36.48	35.82
##	-150	+40	+340	+140	+250	+10	+20	-30	-140	-260	-320	-250

CAL YR 2003	MAX	11,970	MIN	11,150	##	+120
WTR YR 2004	MAX	12,000	MIN	10,960	##	-350

# Elevation, in feet above NGVD 1929, at end of month, present datum.  
## Change in contents, in acre-feet.